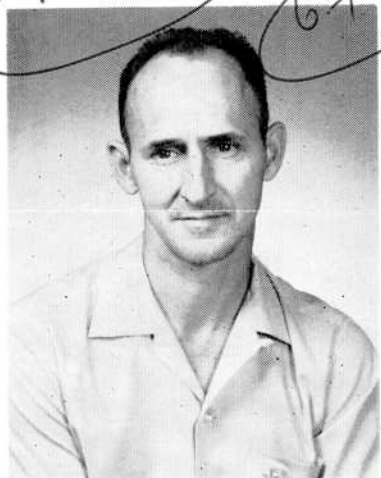


NEW DIRECTIONAL LANE SIGNALS are now operational on Bear Creek Road, which enables motorists to utilize an extra lane coming to work each morning. To help over the initial period, the following reminders are given: A. All Knoxville inbound traffic must turn left into center lane when entering Bear Creek

Road, between 7:20 and 8:15 a.m. B. All left turns from Bear Creek Road into portals must be made from center "reversible" lane . . . (7:20 to 8:15 a.m.) **traffic light control.** C. Left turns from East Portal must be made into the center lane of Bear Creek Road only in the morning hours . . . 7:20 to 8:15 a.m. D. Oak Ridge

Lanes 1 and 2 are continuous thru traffic lanes only to traffic light at Biology (North) Portal. E. Outbound (afternoon) traffic is unaffected by these changes and will remain as same as in the past. F. Thru traffic coming east on Bear Creek Road must blend to single lane at North Portal.



Milas L. Sweet

Milas Sweet Promoted To Process Foreman

The September 1 promotion of Milas L. Sweet to process foreman in Alpha Five Processing is announced in the Metal Preparation Division.

Sweet, a native of Clinton, graduated from Clinton High School and attended the University of Tennessee. He served in the U.S. Army from 1950 until 1952, and worked with the Standard Drug Company in Lake City from 1945 until 1947. From 1947 until 1950 he was with Magnet Mills, Inc., Clinton.

Mrs. Sweet is the former Mildred Singleton, and the couple has one child Merissa, eight years old, in Shinleaver School. They live at Route 5, Clinton.

For avocation, Sweet contends he's an outdoorsman, leaning to the fishing and hunting in this area.

U of Ga's Amos Guest At Physics Seminar

K. A. Amos, University of Georgia, will lead this week's Physics Division seminar. It is slated for Friday, September 20, at 3:15 p.m. in the East Auditorium of ORNL's 4500 building.

Amos's subject will be "Inelastic Scattering of Protons."

Secretaries To Hold Seminar Sept. 27

The Oak Ridge Chapter of the National Secretaries' Association is holding its seminar for career secretaries Friday, September 27, at the Alexander Hotel. Registration begins at 12 noon with the program beginning at 1 p.m.

Speakers are L. M. Collins, manager, IBM Education Services, New York, who will discuss "The Professional Secretary — What Is the Prognosis?" H. I. Covert, public relations director of Union Carbide's Nuclear Division will speak on "Expressions and Impressions." Dr. Evelyn Rule,

Knoxville psychologist, has been brought back by request and will lead a group discussion on "What Is Your Problem?"

A buffet supper will follow the sessions to honor the Certified Professional Secretaries for 1968.

Information on the NSA seminar may be obtained from Mabel Tyer, extension 3-7121.

BEAUTIFUL DREAMER

Daydreaming is a nice pleasure. You have such a good time thinking what a good time you could have if you were having it!

Absentee Ballot May Be Difference Nov. 5

Is there a possibility that you will be away from home November 5? If so, find out how, when and where to apply for an absentee ballot. Absentee votes can (and often do) determine a winner in an election.

Of those eligible to vote, it is estimated that several million will be away from their precincts on Election Day. They can decide the outcome of many elections. Don't be a political drop-out. Plan now for an absentee ballot if you are going to be gone November 5.

Bear Creek Traffic Flow Is Altered

The resurfacing and striping of Bear Creek Road and the installation of individual lane control lights have been completed, and these new facilities are now in use.

The primary change in the Bear Creek Road traffic is the addition of a "reversible" lane which provides a third traffic lane extending from the Bear Creek Road-Scarboro intersection to the west entrance of North Portal. This means there are three lanes of incoming or morning traffic going west on Bear Creek Road, which is a major change. The afternoon traffic flow is not affected by the changes but remains essentially the same as it has been in the past.

The traffic pattern, as determined by lights and striping, unquestionably expedites the flow of traffic. No major changes in the traffic layout are anticipated in the immediate future. However, these major changes in the incoming traffic pattern in the morning have created confusion in the minds of some drivers which must be clarified expediently or else the confusion will be compounded. Three of the most frequent errors observed in the use of the "reversible" lane is the morning hours from 7:20 a.m. to 8:15 a.m. are as follows:

1. Some employees are trying to

Continued on Page 4



THE TECHNICIAN SCHOLARSHIP PROGRAM, originally known as 'Operation Lift,' saw two Y-12ers recently receive undergraduate degrees at the University of Tennessee. John T. Sweeney, left, received his BS degree in electrical engineering, in August from U.T., and is congratulated by H. G. Smith. Leo Hemphill, right, shakes Tony R. Chilcoat's hand, as Tony received his BS degree in mechanical engineering. F. S. Patton, superintendent of the Design Engineering Division, looks on happily in the center. Sweeney is in Y-12's Electrical Engineering; and Chilcoat is in Tool Engineering. Both finished their college work under the Atomic Energy Commission aid program.

SAFETY SCOREBOARD

The Y-12 Plant Has
Operated
177 Days Or
5,323,000 Man-Hours
(Unofficial Estimate)
Through September 15
Without A Disabling Injury
SAFETY AT HOME,
AT WORK, AT PLAY

The Bulletin

Published Weekly For The
Y-12 Employees Of
UNION CARBIDE
CORPORATION



NUCLEAR DIVISION

JAMES A. YOUNG Editor

Member Appalachian
Industrial
Editor's
Association

American Association Industrial Editors

OFFICE
Post Office Box Y
Oak Ridge, Tenn. 37830
Telephone 3-7100



WEDDINGS



Mr. and Mrs.
Charles Clark Niemeier Jr.

NIEMEIER—BOWEN

Miss Susan Elaine Bowen and Mr. Charles Clark Niemeier Jr. were married Saturday, August 10, at the First Christian Church, Oak Ridge. The afternoon rites were performed by the Reverend James Winter. Mrs. John Legg provided traditional wedding music and Mrs. Rayburn Waldrop was vocal soloist.

The bride is the daughter of Mrs. Rubye G. Bowen, 165 North Alabama Road, Oak Ridge; and the groom is the son of Mr. and Mrs. Charles C. Niemeier Sr., 98 Orange Lane, Oak Ridge. Mr. Niemeier is in Y-12's Buildings, Grounds and Maintenance Shops.

Given in marriage by her father, Mr. D. Clyde Bowen, the bride chose a fitted candlelight gown covered by an English lace cage with a scoop neckline and elbow length sleeves. Her train of illusion fell from her shoulders to a cathedral sweep. Her mantilla veil of English lace was held by a tiny pill box and she carried a bouquet of white long-stemmed roses.

Mrs. R. Darryl Bowen, Rockford, Illinois, sister-in-law of the bride, served as matron of honor. Bridesmaids were Connie Cowen, Atlanta, Georgia; Judy Gissel, Oak Ridge; Mrs. Nelson Burde-



The siren song of Autumn is heard, and with it news of several Y-12ers, marking important milestones with Union Carbide Corporation. Congratulations.

25 YEARS

Clifford Herrell, Rover Fabrication, September 18.

William W. Watson, Area Five Maintenance, September 18.

Mary M. Tackett, Cafeteria, September 20.

Ernest G. Vann, General Field Shops, September 20.

Blake F. Nicely, Buildings, Grounds and Maintenance Shops, September 21.

Mary Emma Puckett, Micro-reproduction and Engineering Services, September 21.

John L. Kennedy, Research Services, September 24.

20 YEARS

James W. Gibson, Research Services, September 20.

James C. Thompson Jr., Mechanical Inspection, September 20.

Edward L. Stooksbury, Process Maintenance, September 24.

15 YEARS

Albert J. Naleppa Jr., Dimensional Inspection, September 18.

Mason A. Butner Jr., Physical Testing, September 21.

Roy W. Cheatwood, Area Five Maintenance, September 21.

Malcolm P. Crews Jr., Graphite Shop, September 21.

Arthur G. Hensley, Production Analysis, September 21.

James L. Smith, Electrical Engineering, September 21.

Delbert E. Wilson, Beta Four Forming, September 23.

Michael E. Scrivner, Alpha Five Processing, September 24.

10 YEARS

Carl F. Butler, Beta Four Heavy Machine Shop, September 22.

Reford C. Hauther, Electrical Department, September 22.

Paul E. Kesterson, Alpha Five Machine Shop, September 22.

Elmo E. Robbins, Tool Engineering, September 22.

shaw and Sherri Gillenwaters, Longdale, Alabama.

The groom's father served as best man and groomsmen were B. B. Bell III, Chattanooga; R. Darryl Bowen, Rockford, Illinois; Alan Tippy, Auburn, Alabama and Sam Niemeier, Oak Ridge, brother of the groom.

A reception honored the couple at the church immediately after the ceremony.

The bride is a graduate of Oak Ridge High School, and attended Carson Newman College and College of Automation. The groom is also a graduate of Oak Ridge High School. He attended Clemson University and is enrolled at the Georgia Institute of Technology.

After a wedding trip to New Orleans, San Juan, and St. Thomas, the couple is at home in College Park, Georgia. The bride is a stewardess with Delta Air Lines.

FIGHTS FOREST FIRES

The sand caster is a new vehicle developed to fight forest fires. It digs steel claws into the earth and hurls its load at the top of trees. The U.S. Forest Service and other forestry experts consider it to be one of their most valuable weapons, for it is particularly adept in battling crown fires in which the blaze leaps from tree top to tree top.

Truth is stranger than fiction and doubly difficult to find.



A RECENT SESSION OF THE CLERICAL METHODS TRAINING PROGRAM is seen in session, as women employees take advantage of a review-type course which teaches English grammar, business English, telephone courtesy, and general office conduct, as well as Union Carbide Corporation format of letters and forms. Mabel Tyer, at extreme right end of table, is the class instructor.

More Than 100 Complete Clerical Methods Training Course Offered To Y-12ers In Stenographic Skills

The Clerical Methods Training Program recently 'graduated' 26 more alumni, bringing to a total more than 100 Y-12ers who have taken advantage of the multi-purpose class.

The program, planned primarily for new stenographers and clerks in the plant, also provides an opportunity for more experienced stenographers and secretaries to take advantage of the studies, as a review of skills and office practices.

Conducted by Mabel Tyer, secretary to H. G. P. Snyder, superintendent of Industrial Relations, the course includes study of Business English, grammar and punctuation, telephone courtesy and general office conduct, standard Union Carbide Corporation formats of letters, forms, etc., and other subjects related to general clerical procedures.

Only recently a cosmetic expert from Oak Ridge gave the women a demonstration of proper make-up at work.

A special telephone apparatus is used (loaned to Y-12 by South Central Bell Telephone Company) whereby the employee may hear a recording of her voice to see exactly how she sounds on the telephone.

Receiving certificates in the latest class were Mary C. Bell, J. Marlena Brabson, Phyllis N. Castleberry, Linda F. Chadwick, Kay A. Corn, Doris L. Ferguson, Glenda S. Fine, Diana L. Fogle, L. Patricia Hileman, Brenda H. Ivey, Mozelle Y. Kennedy, Connie W. Noe, Verna W. Panky, Joyce S. Phillips, Nancy L. Roden, Mary Ann Russell, Alice C. Sprales, Nancy B. Stutts, Ruthelma Woodfin, Barbara G. Younkin, Martine B. Ingram, Shirley D. Alley, Doris H. Beams, Gene Barnes, Gloria R. Oaks, and Patricia E. Jones.

The course consists of nine one and one-half hour sessions. Additional classes will probably be scheduled later on this Fall.

Elks Meeting Set By ASME Tomorrow

The Oak Ridge Subsection of the American Society of Mechanical Engineers will start off the 1968-69 season with their initial meeting tomorrow, Thursday, September 19. It is set at the Elks Lodge, Arkansas Avenue, and the social hour begins at 7 p.m., preceding the regular program set for 8.

R. P. Swanson, chief, Air Traf-



TWO Y-12 LADIES RECORD their voice for play-back to see what flaws they can detect in their own 'telephone personality.' Joyce Phillips, standing, and Phyllis Castleberry, seated, answer the telephone. They will later listen to a transcription of their own voice over equipment loaned by the South Central Bell Telephone Company. The telephone etiquette is only a part of the Clerical Methods Training Program which has seen more than 100 stenographers, secretaries, and clerks complete the course.



The Bob Roes, he's in Electrical, announce the birth of a son, Bobbie Kevin Roe, Friday, September 6, at Ft. Sanders Hospital, Knoxville. Little Bobbie weighed seven pounds, 12 ounces.

fic Control at the Knoxville Tower, will be guest speaker, and will talk on the "Air Traffic Control Systems." Swanson has been associated with ATC since 1942 and has been Chief of Air Traffic Control since 1946. In addition, he holds a commercial pilot's license with single-multi engine and instrument rating with over 6,000 hours of flying time.

The general public is invited to hear this timely subject.

SAY THAT AGAIN

It's hard to be poor . . . but, on the other hand, it's very easy to be poor!

Photo Course Set In Evening

Y-12ers still have time to enroll in a special course in Photography, an Introduction, to be taught this quarter at the U.T. Evening School. The course, to be taught in Knoxville, will cover such topics as: camera components, types of cameras, exposure control, lens characteristics, developing black and white film, making black and white prints, picture composition, principles of color photography, slide presentation, and movie techniques. Each student furnishes his own camera for use in assignments during the course, and they will be given the opportunity to purchase a camera with a 75 per cent guaranteed refund at the end of the course if desired. Reading in periodicals and books by classical photographers will be required. The cost of the course is \$35, and is payable on immediate registration.

Stanley Cole, public relations director of Benco Plastics, Inc., Knoxville is the instructor.

More information may be obtained from the U.T. Evening School, Knoxville telephone 974-5362.

Today is safety day.

Has Beens Take Early Classic Top

The Has Beens grabbed an early top spot in the Classic Bowling League last week, with their four-point win over the Pinbusters . . . the only sweep of the night. The Swingsters took three from the Playboys . . . as did the Bumpers by the Eagles, the Splinters over the Cubs, the All Stars around the Eightballs, the Rebels past the Smelters and the Screwballs over the Tigers.

The markers and Rippers shared two.

Tom Hillard, Markers, marked best in singles . . . 212 scratch, 237 handicap. J. W. Halsey, Bumpers, scored a scratch series of 569 and Wayne Groppe zeroed in with a 645 handicap series.

The Swingsters were best in scratch singles with 890 . . . while the Tigers took a 1018 handicap single count. The Swingsters returned to the boards with series of 2527 scratch, 2966 handicap.

League standings follow:

Team	W	L
Has Beens	7	1
Swingsters	6	2
Eagles	5	3
Playboys	5	3
Markers	5	3
Bumpers	5	3
Splinters	5	3
Pinbusters	4	4
Rippers	4	4
All Stars	4	4
Eightballs	3	5
Rebels	3	5
Screwballs	3	5
Smelters	2	6
Tigers	2	6
Cubs	1	7

C League Hits Bowling Stride

Two teams took sweeping four-point wins last week as the big C League hit the bowling alleys, bringing to three the number of leagues now operative. The HiLifers lowered the Fireballs and the Big Five posted a forfeit win over the Sunflowers.

The Jokers Five past the Par-Busters by three, as did the Instrument Engineers by the Royal Flush. The Badgers beat the Rounders, as the Rollmasters and Invalids shared two.

Elbert Scott, Royal Flush, rolled a 225 single game; Jim McLain, Fireballs, a 241 handicap single. Tom Hillard, Jokers Five, zeroed in on a 588 series; Ernest Croley, HiLifers, hit a 641 handicap series.

The Jokers Five were best in scratch count, 872 singles; 2395 series . . . and the HiLifers hit highs in handicap scoring . . . singles to 992, series of 2902.

League standings follow:

Team	W	L
HiLifers	4	0
Big Five	4	0
Jokers Five	3	1
Instrument Engineers	3	1
Badgers	3	1
Rollmasters	2	2
Invalids	2	2
Par-Busters	1	3
Rounders	1	3
Royal Flush	1	3
Fireballs	0	4
Sunflowers	0	4

Day-Time Bowling League May Be Set

There are inquiries floating around about organizing a day-time bowling league amidst Y-12ers. Folks on permanent second shift work may want to enter bowling competition, say around 10 in the morning. There are openings for day-time leagues at the local lanes.

Folks wishing on the four-man teams should call Recreation, extension 3-7109. They already have about three teams lined up . . . need four more . . . so if you have a team or want on one just give Recreation a ring.

It is always time for security.



BIG HEROES OF TOMORROW ARE SEEN on the Wildcat Squad at Oak Ridge High School, as the junior varsity team lined up for a recent photographer day pose. Many Y-12 sons are listed

on the B team, which will receive coaching aplenty this year to prepare many of them for the big team next year. Quick, without looking at his number, find Junior!

Recreation



Monday, September 23
BOWLING: C League, 5:45 p.m., Ark Lanes.
PHYSICAL FITNESS: (Women) 7:30 p.m., Oak Ridge High School Girl's Gym.
Tuesday, September 24
PHYSICAL FITNESS: (Men) 7:30 p.m., Oak Ridge High School Gym.
PISTOL LEAGUE: 6:15 p.m., Oak Ridge Sportsmen's Association.

Wednesday, September 25
BOWLING: Mixed League, 8 p.m., Ark Lanes.

Thursday, September 26
BOWLING: Classic League, 5:45 p.m., Ark Lanes.

Saturday, September 28
TURKEY SHOOT: 10 a.m., Oak Ridge Sportsmen's Association. E, F, G, H and J Shifts, all Y-12ers invited.

ORSA Sponsors Gun 'Sight-Ins'

It seems hard to believe but Fall is here and hunting season has already begun for some species. The Oak Ridge Sportsmen's Association will conduct two sight-in days prior to the statewide bear and boar hunts and the later deer hunts.

Y-12 nimrods will be anxious to get out the trusty blunderbuss and check its accuracy or shot pattern.

The first sight-in day will be Saturday, September 21, from 9 a.m. to 5 p.m. and the second on Saturday, November 16 with the same hours. The meet will be held on the new bench rest range on the ORSA grounds. A competent staff will be on hand to maintain range safety and assist those in need of help or advice on unfamiliar firearms.

These events are sponsored by the National Rifle Association in cooperation with ORSA and are another of the many public service features of NRA.

To cover the cost of target material, a fee of \$1 per person will be charged for rifle sight-in and 10c per shot for each shotgun pattern checked. If the air is crisp, there may be a free cup of coffee on hand too!

For further information, contact Bert Searles, extension 3-7950, or Clinton telephone 457-2644.

REMEMBRANCE THINGS PAST

Living in the past has, at least, one thing going for it . . . it's cheaper!

Horseshoe League In Last Pitches

Top teams in the Horseshoe League last week took forfeit wins from opponents, as the Case-Miller team slid past Young-Holsopple, and Durham-Bailey posted nine points over Hutto-Tillery.

The Reed-Stephens duo grabbed seven from Gray-Copeland and Allmon-Moody did likewise by Eubanks-Raper.

The Wyatt-Hensley team won six from Luckett-Brock . . . and the Gray-Copeland team won six from Wyatt-Hensley.

Two more nights remain in this year's schedule.

League standings follow:

Team	W	L
Case-Miller, ORNL	59	4
Durham-Bailey, ORNL	51	12
Reed-Stephens, Y-12	42	21
Allmon-Moody, ORNL	40	23
Eubanks-Raper, Y-12	34	29
Gray-Copeland, ORNL	29	34
Wyatt-Hensley, Y-12	28	35
Luckett-Brock, ORNL	21	42
Young-Holsopple, ORNL	9	54
Hutto-Tillery, ORNL	2	61

Goofers Gain Early Mixed Lead

The Goofers took command of the Mixed Bowling League last week with an impressive four-point win over the Rollers. Taking three were the Roses 'N Thorns over the Alley Cats and the Mustangs by the Twisters. The Hits & Misses put three and one-half points by the McSprays.

Nancy Garrison, Hits & Misses, rolled a 170 single game, 231 handicap single . . . and handicap series of 580. Lou Sahr, Twisters, took a 437 scratch series.

Ernest Ely, Mustangs, mustered all men's honors with singles of 235, 276 handicap . . . series of 562, 687!

The Mustangs took all team honors, too, with singles of 666 scratch, 818 handicap . . . series of 1785, 2331.

League standings follow:

Team	W	L
Goofers	7	1
Twisters	5	3
Roses 'N Thorns	5	3
Hits & Misses	4½	3½
Alley Cats	4	4
Mustangs	4	4
McSprays	2½	5½
Rollers	0	0

Big Turkey Shoot's A-Coming, September 28

E, F, G, H and J Shift is planning a Big Turkey Shoot at the Oak Ridge Sportsmen's Association range, Saturday, September 28. Firing will commence at 10 a.m., all Y-12 nimrods and their families are invited.

Relays are only 25c per shot and there will be 40 big birds for some 40 big shooters.

There's always plenty of action at an autumn turkey shoot, and the 28th event planned by the shifters will be no exception.

Spring-Summer Fishing Rodeo Winners Announced

The Fishing Rodeo that began way back March 16 has ended. Midnight, September 9th rang down the curtain on the Spring-Summer competition with winners announced last week by the Recreation Department.

Entries may be double entered . . . that is, they may go in the Annual Rodeo as well as this one . . . the only difference is that the annual battle requires a photograph. Thus, no weights are given below, since many are entered in the annual rodeo still.

Winners are:

LARGEMOUTH BASS

1. John Guttery, H-2 F-Area Shops.
2. Dave Turner, Fire Department.
3. F. J. Blair, Area Five Maintenance.

SMALLMOUTH BASS

1. J. P. Grubb, Chemical Services.
2. J. M. Jones, 9215 Rolling.
3. Clay Smith, Physical Testing.

STRIPED BASS

1. M. H. Huskey, Chemical Services.
2. L. R. Edwards, Alpha Five Assembly Area.
3. M. L. Sweet, Alpha Five Processing.

BREAM

1. L. E. Pate, Alpha Five Machine Shop.
2. W. H. Rollen Jr., Tool Grinding.

(Only two entries — No third place winner!)

CRAPPIE

1. John L. Pennington, SS Warehousing and Shipping.
2. Frank A. Stewart, General Machine Shop.
3. D. L. Morrow, Quality Assurance.

SAUGER PIKE

1. Fred W. Leon, Metallurgical Development.

(Only one entry. Two prizes go a-begging!)

WALLEYED PIKE

1. Herbert Reynolds, Stores Department.
2. E. W. Forbes, Beta Two Shop.
3. M. L. Sweet, Alpha Five Processing.

TROUT

1. Fred J. Russell, Research Services.
2. C. G. Hubbard, Research Services.
3. A. K. Van Hull, Operations Analysis.

The Recreation Department will advise winners by telephone when their awards have been received.

Meanwhile, entries are still being taken for the annual contest. So if that big one doesn't get

Y-12ers Lead September Skeets

Y-12ers swept top honors in the Skeet Tournament, fired on the first of September.

Leon Bray scored first with 47.980 . . . Charlie Asmanes came second with 47.307 . . . and Carl Brewster placed third with a 47.307.

Six skeeters were firing under penalty due to previous winnings. Penalties are assessed winners to give the newcomers to the Skeet ranks equal footing with the old pros.

All Carbide employees are invited out to participate in the once-a-month competition. The next firing will be held Sunday, October 13. All matches being at 1 p.m. and are held at the Oak Ridge Sportsmen's Association range, in the west end of Oak Ridge.

So, if Skeeting is your thing, bring your parts on out October 13.

September scores:

Firer	H'Cap	Score
R. A. Allstun, Y-12	47.576*	
K. Bahler, Y-12	47.639*	
Dr. Fry, X-10	47.469*	
Bert Searles, Y-12	46.160	
C. Asmanes, Y-12	47.307	
Leon Bray, Y-12	47.980	
Perry Bullard, Y-12	46.800	
C. Theobald, K-25	46.480	
Carl Brewster, Y-12	47.307	
Fred Welfare, X-10	48.313*	
D. L. Glover, Y-12	48.429*	
S. Sosnowski, K-25	46.000	
B. Etheredge, Y-12	49.040*	

*Under Penalty.

Ducks Unlimited Sets Trap-Skeet Shoot Here

The Oak Ridge Chapter of Ducks Unlimited is sponsoring a trap-skeet shoot Saturday, September 21, at the Oak Ridge Sportsmen's Association Range. The shoot is set from 2 until 5 p.m. Saturday.

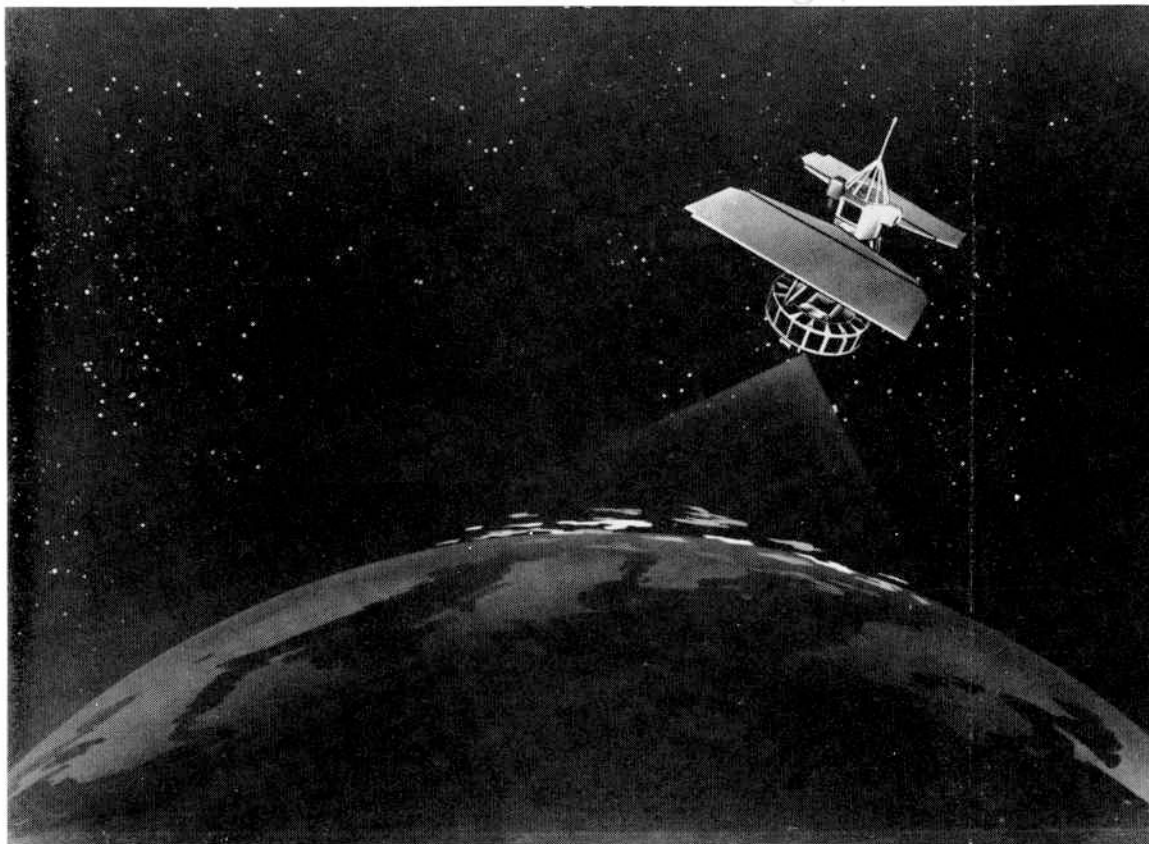
The cost is \$3.50 per shooter, and shells are furnished. Bring your own shotgun, or firing pieces will be available at the range. All area sportsmen are invited to Saturday's shoot-out.

Free Boating Course To Be Offered Sept. 19

Free boating classes for Oak Ridgers begin tomorrow, Thursday, September 19. They will cover government regulations, rules of the road, seamanship, river piloting, compass and chartwork. Classes are held in Room A-205, at the Oak Ridge High School at 7:30 p.m. tomorrow.

Class chairman for the Oak Ridge Power Squadron, sponsors of the course, is Y-12er H. S. Corey.

away, let Recreation know about it!



WILL MAN CONTROL HIS WEATHER? A chain of infrared camera weather satellites, such as the Nimbus C shown here in an artists' sketch, linked through computers to a network of radar stations, may finally enable man to "do" something about the weather in the twenty-first century. This potential will be explored by "The 21st Century" in the episode "Can We Control The Weather," Sunday, September 22, at 6 p.m. EDT in color on the CBS Television Network. The program is carried locally by WBIR-TV, Channel 10, and is sponsored by Union Carbide Corporation.



Ride wanted or will join car pool from Parsons Road, Oak Ridge, to Central Portal, straight day. L. M. Steckel, plant phone 3-5646, home phone Oak Ridge 483-0592.

Riders wanted or will join car pool from West Knoxville, Kingston Pike area, via I-40, to Central Portal, straight day. Frances Young, plant phone 3-7223, home phone Knoxville 588-0779.

Ride wanted from Claxton area to Central Portal, straight day. Sharon Clapp, plant phone 3-5451.

Would like to join or form car pool or get a ride from Cumberland Estates area, Knoxville, to Central Portal, straight day. Phil King, plant phone 3-5415, home phone Knoxville 388-5170.

FOOTSOKE PROBLEMS

Sore or aching feet can cause fatigue and ruin your disposition. An examination of your feet should be part of your regular medical checkup, as some foot problems can arise before causing pain. As you grow older, your feet become more vulnerable to disorders. Most foot trouble usually stems from mistreatment—the wrong kind of shoes or wrong kind of care. Ill-fitting or foot-distorting shoes are the chief cause of friction and pressure. Corns or calluses may result. The best way to cure ordinary foot troubles is to buy shoes that fit properly. Your shoes should be roomy across the toes, and fit snugly in the heel and through the "waist" of the foot. A hard toe cap—like those in safety shoes—can safeguard against stubbing injuries.

PREVENTABLE INJURIES

Industry is hit in America by an estimated 1,000 eye injuries every working day of the year. It is believed that 90 percent of all these could have been prevented.

Should Man Run The Risk Of 'Doing' Something About Controlling Weather?

Man's dream of being able to "do" something about the weather may finally become a reality in the twenty-first century. The question is: Should he?

CBS News Correspondent Walter Cronkite poses this question as "The 21st Century" explores the query "Can We Control the Weather?" Sunday, September 22, at 6 p.m., EDT, in color on the CBS Television Network. The program is carried in this area by WBIR-TV, Channel 10.

Cronkite, principal reporter for the series which is sponsored in the public interest by Union Carbide Corporation, notes that "the weather has always been a factor—perhaps the major factor—in shaping man and his culture."

The prospect of man in turn shaping the weather—not only blunting its harmful effects, but creating weather—"is awesome," he points out.

Meteorologists today, he reports, are "armed with an arsenal of weapons," ranging from so-

phisticated infrared camera weather satellites to a new science of "cloud physics," which "The 21st Century" cameras follow.

In the twenty-first century a global chain of such satellites, linked by computer and facsimile communications to electronic ocean buoys and radar stations which encircle the earth, will not only enable man to forecast the weather to within an hour's precision weeks in advance, but create rainstorms, lessen the force of a tornado and the lethal jolt of a lightning bolt.

All three phenomenon have been brought in the laboratory for study, Cronkite points out.

At the National Center for Atmospheric Research in Boulder, Colorado, the raindrop is being studied under the probing eye of a microscope. Scientists at the State University of New York at Albany have created a tornado in a steel drum. At the University of Chicago, scientists study the birth and death of a hemispheric storm system in a special laboratory "dishpan"—the effect of ocean currents and the earth's rotation in creating weather.

"Soon," Cronkite reports, "we may be able to build or abort such storms as well as merely record them. But should we?" he adds.

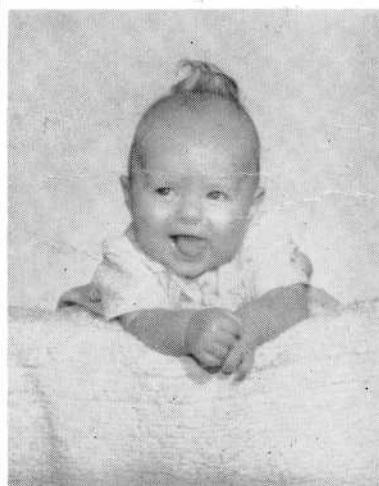
"The risk is upsetting the delicate balance of natural forces that made life on earth possible. The prize is mastery over the most elemental and massive forces on the planet," he states.

"Is the prize worth pursuing?" Cronkite poses the question, "or is the peril too great?"

"The answers will come when man attempts to control the weather of the twenty-first century."

"Can We Control the Weather?" was written by Edward Edelson. Fred Warshofsky is science editor for the series; Isaac Kleinerman is producer and Burton Benjamin is executive producer.

"Can We Control the Weather?" Sunday, September 22, over WBIR-TV, Channel 10, at 6 p.m.



WENDY DAWN CRASS is the four-months old daughter of Emily Stewart and Samuel S. Crass II, Oliver Springs, and the granddaughter of Frank A. Stewart Jr., General Machine Shop. Little Wendy has 13 living grandparents and great-grandparents.



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Kentucky-Tennessee Water Works Group Meeting Set In Oak Ridge Sept. 19, 20

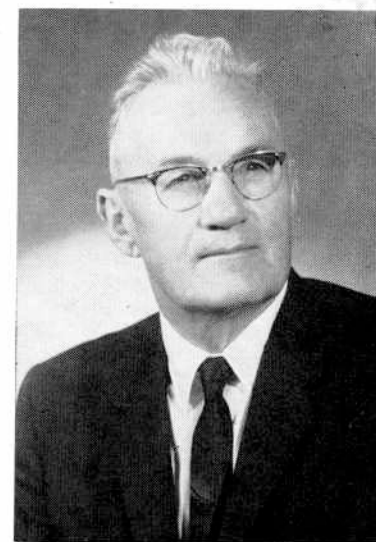
The Kentucky-Tennessee section of the American Water Works Association will hold a two-day seminar at the Alexander Hotel on September 19, 20. This seminar will discuss "The Elimination of Hazardous Connections in Water Supplies."

Roy Van Meter, PE of the Backflow Engineering and Equipment Division of the Hersey Sparling Meter Company is the principal speaker. Van Meter was formerly employed by the Department of Water and Power of the city of Los Angeles for approximately 40 years. For more than 30 years he was in charge of cross connection control program at Los Angeles. He was the recipient of the "George Elliott Award, for outstanding service in securing legislation protecting the quality of California Water Supplies." During the Korean war he served as a special assistant to the director of water resources, National Production Authority, with the Department of Commerce.

Also appearing on the program will be J. David Clem, regional program chief with the U.S. Public Health Service, Atlanta; Julian R. Fleming, director of sanitary engineering for the State of Tennessee; and Ralph C. Pickar, director of Environment Health for the Commonwealth of Kentucky.

Gus Angele, Y-12 Engineering Department, as chairman of the American Water Works Association Committee on Cross Connection Control and Backflow Prevention, is in charge of arrangement of the program.

Roy Sanford, X-10 Engineering, is responsible for the conducted tour Friday, September 20.



Roy Van Meter

Bear Creek

Continued from Page 1

turn left onto Bear Creek Road from Scarboro Road by going beyond the island areas to break into the Number 2 Oak Ridge express lane. The correct turning point is in between the two island areas and into the center ("Reversible") lane of Bear Creek Road, during the 7:20 a.m. to 8:15 a.m. hours.

2. Some employees, entering Bear Creek Road from East Portal, are pulling over into Number 1 and Number 2 Oak Ridge express lanes. The traffic light at this intersection provides access only to the center ("Reversible") lane going west on Bear Creek Road during the morning hours.

3. Some employees are attempting to turn left into the west entrance of North Portal from the second lane (Number 2 Oak Ridge express lane) on Bear Creek Road. These left turns at this point are to be made only from the "reversible" lane. At this point the "reversible" lane ends.

Close scrutiny of the accompanying traffic flow diagram and close observation of traffic signs and striping will facilitate gaining a familiarity with the new traffic pattern. When we are all familiar with this new traffic plan, it will prove to be of considerable convenience to each of us individually.

SIGNS IGNORED

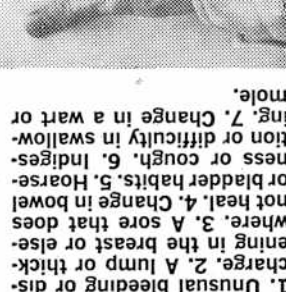
Despite signs to the contrary wives and other drivers continue to turn into all Y-12 portals between the hours of 4:30 and 5 p.m. The posted signs read: **No left turns between 4:30 and 5 p.m.!** Continued disregard for traffic regulations only complicates the traffic problem.

CONSCIENCE DEFINED

'Conscience doth make cowards of us all,' said the Bard. A small boy's definition of conscience: Telling your mother before your sister does!

Do you know the seven warning signals of cancer?

1. Unusual bleeding or discharge.
2. A lump or swelling.
3. A change in the color of the skin.
4. Change in the size of the mole.
5. Hoarseness.
6. Indigestion or change in bowel habits.
7. Chronic cough or hoarseness.



If your signal lasts longer than two weeks, go to your doctor immediately.

American Cancer Society